

# NOTICE

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

N 8900.176

National Policy

Effective Date:  
1/6/12

Cancellation Date:  
1/6/13

**SUBJ:** OpSpec/MSpec/LOA C063, Area Navigation (RNAV) and Required Navigation Performance (RNP) Terminal Operations

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**1. Purpose of This Notice.** This notice advises all principal inspectors (PI) and other assigned aviation safety inspectors (ASI) of updated guidance in Federal Aviation Administration (FAA) Order 8900.1, Flight Standards Information Management System (FSIMS), operations specification (OpSpec)/management specification (MSpec)/letter of authorization (LOA) C063/MC063, Area Navigation (RNAV) and Required Navigation Performance (RNP) Terminal Operations. It provides guidance to authorize Title 14 of the Code of Federal Regulations (14 CFR) parts 91, 91 subpart K (part 91K), 121, 125 (including the 125 Letter of Deviation Authority (LODA) A125 holders (125M)), and 135 operators to conduct operations using 14 CFR part 97 U.S. instrument flight rules (IFR) terminal Area Navigation 1 (RNAV 1) and/or Required Navigation Performance 1 (RNP 1) departure procedures (DP), RNAV 1 and/or RNP 1 routes, RNAV 1 and/or RNP 1 Standard Terminal Arrival Routes (STAR) in the National Airspace System (NAS), and/or tailored arrivals (TA). (For 14 CFR part 129, see Order 8900.1, Volume 12, Chapter 2, Section 5.) This notice also announces a revision to all C063 templates. This is a nonmandatory revision. The current template will remain valid and will only need to be updated when one of the following occurs:

- The certificate holder/operator/program manager needs to make a change to the aircraft or systems on the template, or
- The certificate holder/operator/program manager applies for RNP 1 or TA authorization.

**2. Audience.** The primary audience for this notice is certificate-holding district office (CHDO) and Flight Standards District Office (FSDO) PIs and ASIs. The secondary audience includes Flight Standards Service (AFS) branches and divisions in the regions and in headquarters (HQ).

**3. Where You Can Find This Notice.** You can find this notice on the MyFAA employee Web site at [https://employees.faa.gov/tools\\_resources/orders\\_notices](https://employees.faa.gov/tools_resources/orders_notices). Inspectors can access this notice through the Flight Standards Information Management System (FSIMS) at <http://fsims.avs.faa.gov>. Operators can find this notice on the Federal Aviation Administration's (FAA) Web site at <http://fsims.faa.gov>. This notice is available to the public at [http://www.faa.gov/regulations\\_policies/orders\\_notices](http://www.faa.gov/regulations_policies/orders_notices).

**4. Background for RNAV 1 and RNP 1 Operations.** OpSpec C063 was originally published to authorize certificate holders/operators/program managers to conduct RNAV 1 DPs and

STARs. OpSpec C063 is being revised to reflect RNP 1 terminal operations (DPs and STARs) and incorporates additional guidance on radius to a fix (RF) curved path qualification requirements and TAs.

**5. Guidance.** The Flight Technologies and Procedures Division (AFS-400) developed this notice. This notice contains the following:

- The sample OpSpec C063 template in Appendix A applies to part 121.
- The sample OpSpec C063 template in Appendix B applies to part 125.
- The sample OpSpec C063 template in Appendix C applies to part 135.
- The sample OpSpec C063 template in Appendix D applies to part 121/135.
- The sample MSpec C063 template in Appendix E applies to part 91K.
- The sample LOA C063 template in Appendix F applies to part 91.
- The sample LOA C063 template in Appendix G applies to part 125 LODA A125 holders (125M).

**6. Action.** PIs should review their certificate holder's/operator's/program manager's OpSpecs/MSpecs/LOAs and reissue OpSpec/MSpec/LOA C063, if appropriate.

**7. Disposition.** We will incorporate the information in this notice into FAA Order 8900.1 before this notice expires. Direct questions or comments concerning this notice to the Performance Based Flight Systems Branch (AFS-470) at 202-385-4623.



John M. Allen  
Director, Flight Standards Service

**Appendix A. Sample OpSpec C063, Area Navigation (RNAV) and Required Navigation Performance (RNP) Terminal Operations: 14 CFR Part 121**

- a. The certificate holder is authorized to conduct IFR RNAV 1 and/or RNP 1 instrument departure procedures (DP); RNAV 1 and/or RNP 1 Standard Terminal Arrival Routes (STAR) published in accordance with 14 CFR part 97; and/or tailored arrivals (TA) using approved RNAV systems to the airports and runways approved for such operations, and must conduct all such operations in accordance with the provisions of these operations specifications.
- b. Authorized Aircraft and Equipment. The certificate holder is authorized to conduct RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STARs, and TA operations as listed in Table 1 using the following eligible aircraft and RNAV systems installed and operational as required by the AFM, CFRs, the FAA compliance table, or this operations specification.

**Table 1—Aircraft with RNAV Systems Eligible for RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STARs, and/or TAs**

Airplane M/M/S	Compliant RNAV System(s) and Software			Authorization	Limitations and Provisions
	Manufacturer	Model/HW Part #	Software Part/Version/Revision Number		

- c. The certificate holder must maintain the aircraft and equipment listed in Table 1 using an established maintenance program that addresses these RNAV requirements.
- d. Flightcrew Qualifications. Flightcrews must not conduct operations approved by this operations specification until qualified in accordance with the certificate holder’s approved training program for RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STARs operations, and/or TAs.

**Appendix B. Sample OpSpec C063, Area Navigation (RNAV) and Required Navigation Performance (RNP) Terminal Operations: 14 CFR Part 125**

a. The certificate holder is authorized to conduct IFR RNAV 1 and/or RNP 1 instrument departure procedures (DP); RNAV 1 and/or RNP 1 Standard Terminal Arrival Routes (STAR) published in accordance with 14 CFR part 97; and/or tailored arrivals (TA) using approved RNAV systems to the airports and runways approved for such operations, and must conduct all such operations in accordance with the provisions of these operations specifications.

b. Authorized Aircraft and Equipment. The certificate holder is authorized to conduct RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STARs, and TA operations as listed in Table 1 using the following eligible aircraft and RNAV systems installed and operational as required by the AFM, CFRs, the FAA compliance table, or this operations specification.

**Table 1—Aircraft with RNAV Systems Eligible for RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STARs, and/or TAs**

Airplane M/M/S	Compliant RNAV System(s) and Software			Authorization	Limitations and Provisions
	Manufacturer	Model/HW Part #	Software Part/Version/Revision Number		

c. The certificate holder must maintain the aircraft and equipment listed in Table 1 using an established maintenance program that addresses these RNAV requirements.

d. Flightcrew Qualifications. Flightcrews must not conduct operations approved by this operations specification until qualified in accordance with the certificate holder’s training program for RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STARs operations, and/or TAs.

**Appendix C. Sample OpSpec C063, Area Navigation (RNAV) and Required Navigation Performance (RNP) Terminal Operations: 14 CFR Part 135**

- a. The certificate holder is authorized to conduct IFR RNAV 1 and/or RNP 1 instrument departure procedures (DP); RNAV 1 and/or RNP 1 Standard Terminal Arrival Routes (STAR) published in accordance with 14 CFR part 97; and/or tailored arrivals (TA) using approved RNAV systems to the airports and runways approved for such operations, and must conduct all such operations in accordance with the provisions of these operations specifications.
- b. Authorized Aircraft and Equipment. The certificate holder is authorized to conduct RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STARs, and TA operations as listed in Table 1 using the following eligible aircraft and RNAV systems installed and operational as required by the AFM, CFRs, the FAA compliance table, or this operations specification.

**Table 1—Aircraft with RNAV Systems Eligible for RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STARs, and/or TAs**

Airplane M/M/S	Compliant RNAV System(s) and Software			Authorization	Limitations and Provisions
	Manufacturer	Model/HW Part #	Software Part/Version/Revision Number		

- c. The certificate holder must maintain the aircraft and equipment listed in Table 1 using an established maintenance program that addresses these RNAV requirements.
- d. Flightcrew Qualifications. Flightcrews must not conduct operations approved by this operations specification until qualified in accordance with the certificate holder’s approved training program for RNAV 1 and/or RNP 1 DPs, STARs operations, and/or TAs.
- e. For part 135 operators that have no manuals, the approved procedures required for this authorization are as follows:

**Appendix D. Sample OpSpec C063, Area Navigation (RNAV) and Required Navigation Performance (RNP) Terminal Operations: 14 CFR Part 121/135**

- a. The certificate holder is authorized to conduct IFR RNAV 1 and/or RNP 1 instrument departure procedures (DP); RNAV 1 and/or RNP 1 Standard Terminal Arrival Routes (STAR) published in accordance with 14 CFR part 97; and/or tailored arrivals (TA) using approved RNAV systems to the airports and runways approved for such operations, and must conduct all such operations in accordance with the provisions of these operations specifications.
- b. Authorized Aircraft and Equipment. The certificate holder is authorized to conduct RNAV 1 and/or RNP 1 DP, RNAV 1 and/or RNP 1 STAR, and TA operations as listed in Table 1 using the following eligible aircraft and RNAV systems installed and operational as required by the AFM, CFRs, the FAA compliance table, or this operations specification.

**Table 1—Aircraft with RNAV Systems Eligible for RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STARS, and/or TAs**

Compliant RNAV System(s) and Software					
Airplane M/M/S	Manufacturer	Model/HW Part #	Software Part/Version/Revision Number	Authorization	Limitations and Provisions

- c. The certificate holder must maintain the aircraft and equipment listed in Table 1 using an established maintenance program that addresses these RNAV requirements.
- d. Flightcrew Qualifications. Flightcrews must not conduct operations approved by this operations specification until qualified in accordance with the certificate holder’s approved training program for RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STARS operations, and/or TAs.
- e. For part 135 operators that have no manuals, the approved procedures required for this authorization are as follows:

**Appendix E. Sample MSpec MC063, Area Navigation (RNAV) and Required Navigation Performance (RNP) Terminal Operations: 14 CFR Part 91K**

a. The program manager is authorized to conduct IFR RNAV 1 and/or RNP 1 instrument departure procedures (DP); RNAV 1 and/or RNP 1 Standard Terminal Arrival Routes (STAR) published in accordance with 14 CFR part 97; and/or tailored arrivals (TA) using approved RNAV systems to the airports and runways approved for such operations, and must conduct all such operations in accordance with the provisions of these management specifications.

b. Authorized Aircraft and Equipment. The program manager is authorized to conduct RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STARS, and/or TA operations as listed in Table 1 using the following eligible aircraft and RNAV systems installed and operational as required by the AFM, CFRs, the FAA compliance table, or this management specification.

**Table 1—Aircraft with RNAV Systems Eligible for RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STARS, and/or TAs**

Airplane M/M/S	Compliant RNAV System(s) and Software			Authorization	Limitations and Provisions
	Manufacturer	Model/HW Part #	Software Part/Version/Revision Number		

c. The program manager must maintain the aircraft and equipment listed in Table 1 using an established maintenance program that addresses these RNAV requirements.

d. Flightcrew Qualifications. Flightcrews must not conduct operations approved by this management specification until qualified in accordance with the program manager’s approved training program for RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STAR operations, and/or TAs.

**Appendix F. Sample LOA C063, Area Navigation (RNAV) and Required Navigation Performance (RNP) Terminal Operations: 14 CFR Part 91**

**Letter of Authorization**

**Area Navigation (RNAV) and Required Navigation Performance 1 (RNP 1) Terminal Operations**

1. The Operator is authorized to conduct IFR RNAV 1 and/or RNP 1 instrument departure procedures (DP); RNAV 1 and/or RNP 1 Standard Terminal Arrival Routes (STAR) published in accordance with 14 CFR part 97; and/or tailored arrivals (TA) using approved RNAV systems to the airports and runways approved for such operations, and must conduct all such operations in accordance with the provisions of this letter of authorization.

2. Authorized Aircraft and Equipment. The Operator is authorized to conduct RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STARS, and TA operations as listed in Table 1 using the following eligible aircraft and RNAV systems installed and operational as required by the AFM, CFRs, the FAA compliance table, or this letter of authorization.

**Table 1—Aircraft with RNAV Systems Eligible for RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STARS, and/or TAs**

Compliant RNAV System(s) and Software					
Airplane M/M/S	Manufacturer	Model/HW Part #	Software Part/Version/Revision Number	Authorization	Limitations and Provisions

3. The Operator must maintain the aircraft and equipment listed in Table 1 using an established maintenance program that addresses the applicable RNAV requirements.

4. Flightcrew Qualifications. Flightcrews must not conduct operations approved by this letter of authorization until qualified in accordance with the Operator’s training program for RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STAR operations, and/or TAs. Crew training conducted by .

5. Responsible Person. The responsible person for crew operations may be either an agent for service (who must be a U.S. citizen) or a person who is a U.S. citizen or who holds a U.S. pilot certificate and accepts responsibility for complying with the stated regulations by signing this document.

a. If the responsible person signing this letter of authorization relinquishes responsibility, this letter of authorization becomes invalid.

b. Enter the name, e-mail address, and telephone number of the responsible person signing this letter of authorization in Table 2.

**Table 2—Responsible Person**

Name	E-Mail Address	Telephone
[LOAD Operator Data]		



**Appendix G. Sample LOA C063, Area Navigation (RNAV) and Required Navigation Performance (RNP) Terminal Operations: 14 CFR Part 125**

**Letter of Authorization**

**Area Navigation (RNAV) and Required Navigation Performance ( RNP 1) Terminal Operations**

1. The Operator/Company authorized to conduct operations in accordance with the Letter of Deviation Authority (LODA) A125 is authorized to conduct IFR RNAV 1 and/or RNP 1 instrument departure procedures (DP); RNAV 1 and/or RNP 1 Standard Terminal Arrival Routes (STAR) published in accordance with 14 CFR part 97; and/or tailored arrivals (TA) using approved RNAV systems to the airports and runways approved for such operations, and must conduct all such operations in accordance with the provisions of this letter of authorization.

2. Authorized Aircraft and Equipment. The Operator/Company is authorized to conduct RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STARs, and TA operations as listed in Table 1 using the following eligible aircraft and RNAV systems installed and operational as required by the AFM, CFRs, the FAA compliance table, or this letter of authorization.

**Table 1—Aircraft with RNAV Systems Eligible for RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STARs, and/or TAs**

Compliant RNAV System(s) and Software					
Airplane M/M/S	Manufacturer	Model/HW Part #	Software Part/Version/Revision Number	Authorization	Limitations and Provisions

3. The Operator/Company must maintain the aircraft and equipment listed in Table 1 using an established maintenance program that addresses the applicable RNAV requirements.

4. Flightcrew Qualifications. Flightcrews must not conduct operations approved by this letter of authorization until qualified in accordance with the Operator's/Company's training program for RNAV 1 and/or RNP 1 DPs, RNAV 1 and/or RNP 1 STAR operations, and/or TAs.